A. CLASSIFICATION OF SUBJECT MATTER IPC 7 F25D17/04 F24F13/10 F16K3/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 F25D F24F F16K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

	ocinal, ino, wil baca			
C DOCUM	ENTS CONSIDERED TO BE DELEVANDE		· 	
Category °	ENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the	Relevant to claim No.		
Х	FR 2 488 500 A (ATTANE DANIELLE 19 February 1982 (1982-02-19) page 6, line 7 -page 7, line 29 5-7	1,2		
Y	WO 02 16843 A (BPL REFRIGERATIO ;CHITTAMPALLI SURYAPRAKASH (IN) RAMG) 28 February 2002 (2002-02 claims 1-3; figures 3,4	1-3,6		
Υ <u>.</u>	US 4 920 758.A.(JANKE DONALD E	1-3,6		
Α .	1 May 1990 (1990-05-01) column 4, line 49 -column 8, li figures 3-5	5,11,13		

X Furti	ner documents are listed in the continuation of box C.	X Patent family members are list	ed in annex.	
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filling date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filling date but later than the priority date claimed		 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken atone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family 		
Date of the actual completion of the international search		Date of malling of the International search report		
2	February 2004	10/02/2004		
Name and m	nalling address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nt,	Authorized officer Boets, A		
- BOTAC+	Fax: (+31-70) 340-3016	J 50000, A		

		PCT, 03/11499
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 013, no. 360 (M-858), 11 August 1989 (1989-08-11) -& JP 01 118317 A (TOYO KINZOKU KK), 10 May 1989 (1989-05-10) abstract; figures 2-7	1-4
A	DE 198 06 041 A (BOSCH SIEMENS HAUSGERAETE) 19 August 1999 (1999-08-19) column 6, line 22 -column 8, line 16; figures 1-3	1-3,11, 13
A	US 3 952 542 A (BERKOWITZ IRVING L) 27 April 1976 (1976-04-27) column 5, line 56 -column 6, line 18; figures 1-5	12
A -	DE 79 24 975 U (KESSLER & LUCH GMBH) 19 June 1987 (1987-06-19)	-
A	US 6 240 735 B1 (STARENCHAK ROBERT W ET AL) 5 June 2001 (2001-06-05)	
:		
		. ,
. '		
'		
	·	·

NTERNOONAL SEARCH REPORT

Application No 03/11499

	Patent document ted in search report		Publication date		Patent family member(s)	Publication date
· F	R 2488500	A	19-02-1982	FR JP	2488500 A1 57037677 A	19-02-1982 02-03-1982
W	0 0216843	A	28-02-2002	WO AU	0216843 A1 1883101 A	28-02-2002 04-03-2002
U	S 4920758	Α	01-05-1990	NONE		
J	P 01118317	Α	10-05-1989	JP JP	1634601 C 2060412 B	20-01-1992 17-12-1990
D	E 19806041	A	19-08-1999	DE BG BR CN DE WO EP HU PL TR	19806041 A1 104659 A 9907891 A 1290335 T 59901443 D1 9941556 A1 1055089 A1 0102108 A2 342118 A1 200002192 T2	19-08-1999 30-03-2001 17-10-2000 04-04-2001 20-06-2002 19-08-1999 29-11-2000 28-10-2001 21-05-2001 21-12-2000
	IS 3952542	A	27-04-1976	CA DE FR GB JP JP JP	1031210 A1 2506247 A1 2295329 A1 1517918 A 1123599 C 51063057 A 57010343 B	16-05-1978 26-05-1976 16-07-1976 19-07-1978 30-11-1982 01-06-1976 25-02-1982
0	E 7924975	U	19-06-1987	DE	7924975 U1	19-06-1987
	JS 6240735	B1	05-06-2001	NONE		ndig sage of the Chapter life with other Chapter can care throwing a care.
i						